

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P19913Serial No.
09/831,346INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Siew Kok HUIFiling Date
May 11, 2001Group
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DL	4 0 2 5 7 2 1	05/24/97	GRAUPE et al.			
	4 4 2 5 4 8 1	01/10/84	MANS GOLD et al.			
	4 5 8 9 1 3 7	05/13/86	MILLER			
	4 6 2 8 5 2 9	12/09/86	BORTH et al.			
	4 6 3 0 3 0 4	12/16/86	BORTH et al.			
	4 6 3 0 3 0 5	12/16/86	BORTH et al.			
	4 8 8 7 2 9 9	12/12/89	CUMMINS et al.			
	4 9 5 6 8 6 7	09/11/90	ZUREK et al.			
	5 0 2 7 4 1 0	06/25/91	WILLIAMSON et al.			
	5 2 2 4 1 7 0	06/29/93	WAITE, Jr.			
	5 4 0 2 4 9 6	03/28/95	SOLI et al.			
	5 4 1 2 7 3 5	05/02/95	ENGBRETSON et al.			
	5 4 7 1 5 3 8	11/28/95	SASAKI et al.			
	5 4 7 5 7 5 9	12/12/95	ENGBRETSON			
	5 5 5 7 6 8 2	09/17/96	WARNER et al.			
	5 6 2 7 7 9 9	05/06/97	HOSHUYAMA			
	5 6 8 0 4 6 7	10/21/97	HANSEN			
	5 6 9 4 4 7 4	12/02/97	NGO et al.			
	5 7 3 7 4 3 0	04/07/98	WIDROW			
	5 7 5 4 6 6 5	05/19/98	HOSOI			
	5 7 9 3 8 7 5	08/11/98	LEHR et al.			
	5 8 2 5 8 9 8	10/20/98	MARASH			
	5 8 3 5 6 0 7	11/10/98	MARTIN et al.			
	5 8 3 5 6 0 8	11/10/98	WARNAKA et al.			
DL	5 9 1 7 9 2 1	06/29/99	SASAKI et al.			

EXAMINER

David Lugo

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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS																								
		DOCUMENT NUMBER				DATE				COUNTRY						CLASS		SUBCLASS		TRANSLATION YES NO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																								
DL		1		"Adaptive Antenna Systems", by WIDROW et al., Proceedings of the IEEE, vol. 55, no. 12, December, 1967, pages 2143-2159.																				
DL		2		"Signal Cancellation Phenomena in Adaptive Antennas: Causes and Cures", by WIDROW et al., IEEE Transactions on Antennas and Propagation, vol. AP-30, no. 3, May, 1982, pages 469-478.																				
DL		3		"An Adaptive Generalized Sidelobe Canceller with Derivative Constraints", by BUCKLEY et al., IEEE Transactions on Antennas and Propagation, vol. AP-34, no. 3, March, 1986, pages 311-319.																				
DL		4		"Fundamentals of Speech Recognition", by RABINER et al., Prentice Hall, 1993, pages 77-79 and 183-190.																				
DL		5		"Speech Enhancement Using a Minimum Mean-Square Error Short-Time Spectral Amplitude Estimator", by EPHRAIM et al., IEEE Transactions on Acoustics, Speech, and Signal Processions, vol. ASSP-32, no. 6, December, 1984, pages 1109-1121.																				
EXAMINER David Lugo										DATE CONSIDERED 9/22/04														
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Application No.
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